

Claims

1. Method for generating a menu (M) for a video recording medium (D1), the menu (M) being coded according to an MPEG like standard, the method having the steps of
 - starting with a predefined intra-coded picture (I1) consisting of blocks,
 - generating an inter-coded picture (P1) having no change information for predefined blocks, and having change information for selected blocks (REC1, REC2) containing picture information representative for a recording (R1, R2) on the recording medium (D1), and
 - using both, the intra-coded picture (I1) and the intra-coded picture (P1) as menu information.
2. Method according to claim 1, wherein picture information representative for more than one recording (R1, R2) is used for generating the inter-coded picture (P1).
3. Method according to one of the preceding claims, wherein a menu (M) is updated with information related to another recording (R3, R4) on the recording medium (D1) by generating an inter-coded picture (P1) having changes only for selected blocks (REC3, REC4) containing picture information representative for the respective recording (R3, R4).
4. Method according to one of the preceding claims, wherein an inter-coded picture (P1') is added to the previous inter-coded picture (P1).

5. The method of one of the preceding claims, where for generating the picture information (REC3) representative for a new recording, a picture from an encoder display buffer is duplicated into an extra memory area during the new recording, and the picture in the extra memory area is subsampled after the new recording has been terminated.

6. Device for generating a menu (M) for a video recording medium (D1), the menu (M) being coded according to an MPEG like standard, the device having a predefined intra-coded picture memory (M1), a representative picture memory (M2), an encoder (E1) for generating an inter-coded picture (P1) using an output of the intra-coded picture memory (M1) as basis and an output of the representative picture memory (M2) as changes to be recorded, and a recording unit (R1).

7. Device according to claim 6, **characterized in that** it is provided with a fast encoder (E2) and a slow encoder (E1), the slow encoder (E1) being used for menu generation and the fast encoder (E2) being used for encoding a moving video sequence.

8. The device of claim 7, where the fast encoder (E2) has a display buffer, the device additionally has an extra memory area and is equipped and arranged to copy, during recording, a picture from the display buffer into the extra memory area, and to subsample, after the recording, the picture in the extra memory area into a picture information (REC3) representative for the new recording.

9. Recording medium D1 having recorded on it one or several recordings (R1, R2, R3, R4) and a menu (M) for

information about at least one recording (R1, R2, ...)
characterized in that the menu (M) comprises a predefined intra-coded picture (I1) and at least one inter-coded picture (P1) having difference information only for selected areas (REC1, REC2 ...), the difference information being related to picture information (REC1, REC2) representative for a recording (R1, R2...).